

No. 698,917.

Patented Apr. 29, 1902.

J. F. FISH.
SANDAL.

Application filed Nov. 18, 1901.)

(No Model.)

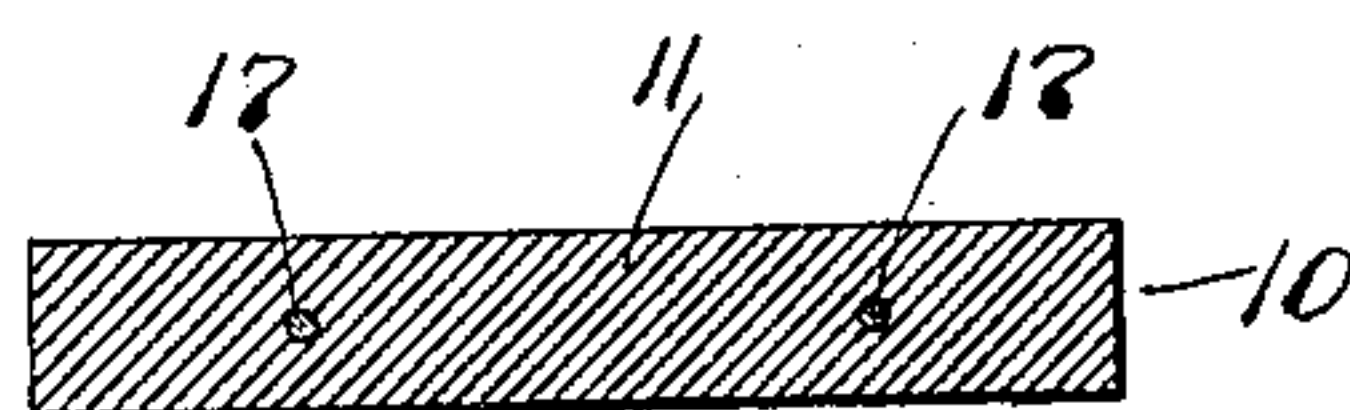
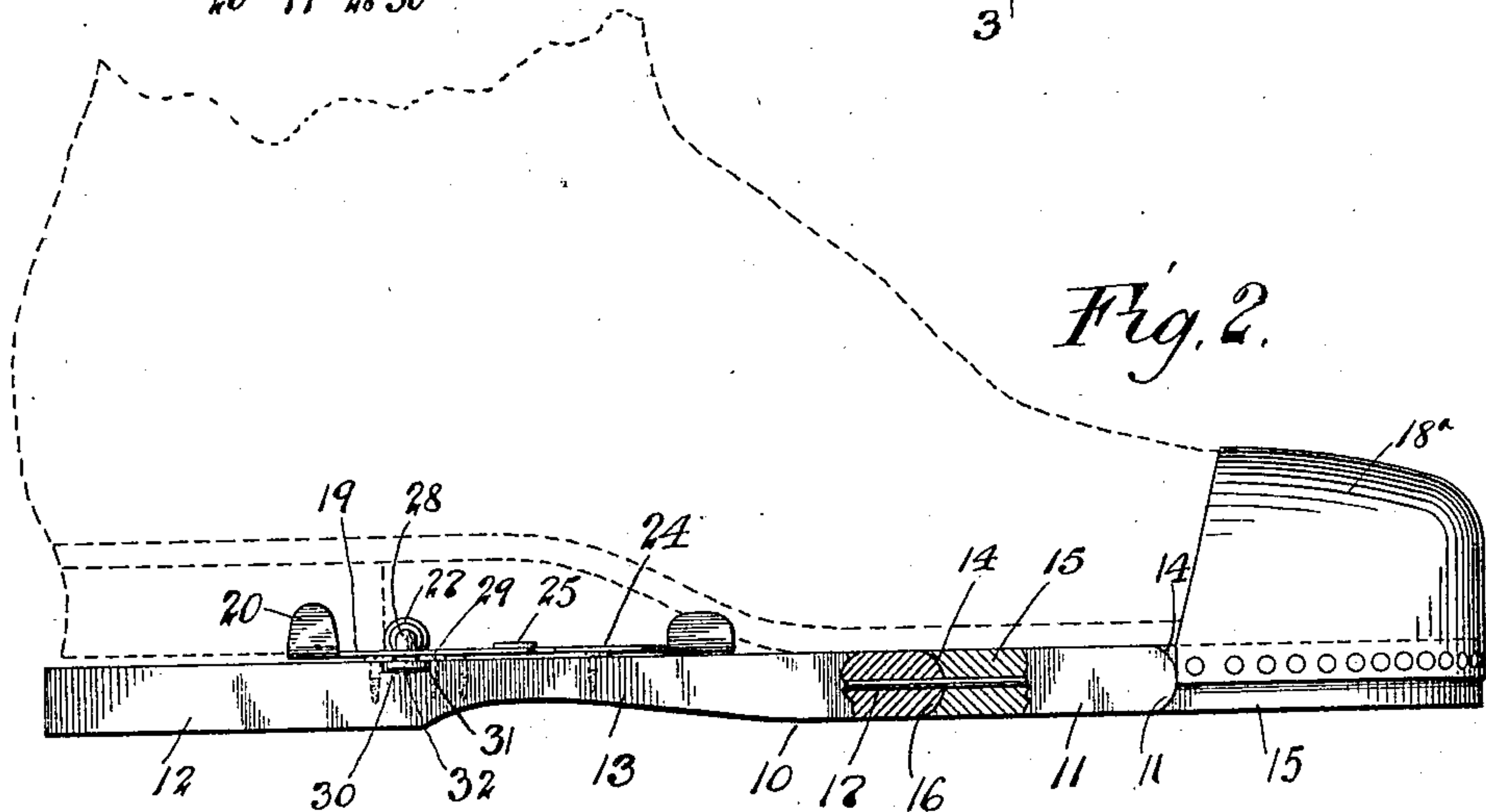
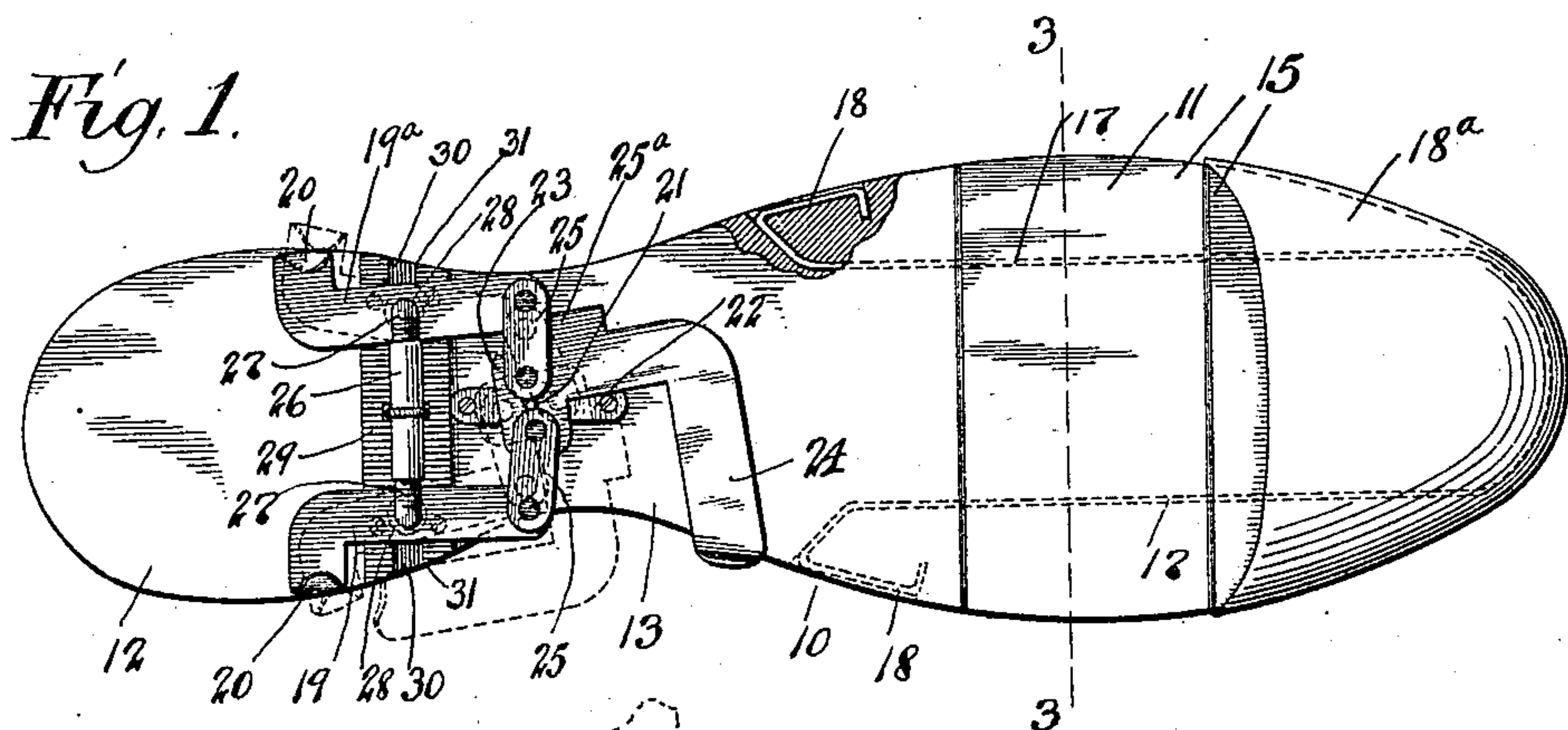


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

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SANDAL.

SPECIFICATION forming part of Letters Patent No. 698,917, dated April 29, 1902.

Application filed November 18, 1901. Serial No. 82,764. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH F. FISH, a citizen of the United States, and a resident of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Sandals, of which the following is a specification, and which are illustrated in the accompanying drawings, forming a part thereof.

This invention relates to a sandal which is designed to be clamped to the bottom of and worn with the ordinary shoe or boot in order to protect the foot of the wearer against cold due to contact with the earth, particularly when covered with ice or snow.

The invention comprises a sandal having a sole and a heel connected by an instep portion, the sole consisting of a plurality of articulated sections so constructed as to readily yield to the movement of the foot of the wearer, which are coupled or connected by a flexible wire or strap passing through or around the sections.

The invention consists of the parts and combination of parts hereinafter fully described, particularly designated in the claims, and which are illustrated in the accompanying drawings, in which—

Figure 1 is a plan of the sandal and the clamp for securing same to a shoe. Fig. 2 is a side elevation of the same, and Fig. 3 is a section on the line 3 3 of Fig. 1.

In the drawings, 10 designates the sandal proper, which is made of wood or some other equally good non-conductor of heat, and consists of the sole 11 and heel 12, the inner end of the former providing the connecting instep portion 13. The sandal has the contour of the bottom of the shoe, and the sole 11 thereof is so constructed as to readily yield to the movement of the foot. This end is attained by forming the sole of articulated sections coupled or connected together by a flexible wire or band.

As shown in the drawings, one end of each of the sections 15 is provided with a curved transverse groove 14, into which is seated the rounded end 16 of the adjacent section, and the sections are coupled or held together by means of a flexible wire 17, which is secured at its ends 18 to the section of the sole adja-

cent to the instep portion 13 and passes through the intermediate section or sections of the sole and around the end of the toe-section. The form of joint shown effectively bars the entrance of sand and dirt between the sections and at the same time permits the sole of the sandal to readily yield to the movement of the foot of the wearer in walking.

The sandal is secured to the shoe by a toe-cap 18^a and a clamp carried by the heel portion 12 and designed to engage the heel of the shoe. This clamp is constructed as follows: Located at opposite sides of the heel-section 12 are levers 19 19^a, having at their outer ends spurs 20 for engaging the shoe-heel. Pivoted at 21 between the inner ends of the levers 19 19^a and, if desired, on a wear-plate 22 is a crank-arm 23, provided with an actuating lever or handle 24. The inner end of each of the clamp-levers 19 19^a is connected by a link 25 to the adjacent end of the crank-arm 23, and the said levers being also pivoted between their ends to the sandal the spurs 20 thereof may be separated by moving the lever 24 outwardly, or into the position shown in dotted lines in Fig. 1, and brought together again to grasp the heel of the shoe by moving the handle back to its original position, or that shown in full lines in Fig. 1, the crank-arm 23 being in a position back of center and its further movement limited by a lug 25^a on the lever 24 and which engages the inner end of the clamp-lever 19^a. This arrangement provides for locking the clamp-levers 19 19^a against movement when the sandal is secured on a shoe.

In order to adapt the sandal to shoes of different sizes, provision is made for adjusting the ends of the levers 19 19^a toward and away from each other, as desired, independently of the crank-arm 23, this being accomplished by connecting the levers by a right and left internally-screw-threaded sleeve 26 or turn-buckle and threaded links 27, which pass downwardly through apertures 28 in the levers and serve as pivots therefor. In order to guide the links in their movement when separated or drawn together by turning the sleeve 26, a plate 29 is secured over a depression 30 in the top of the heel-section and provided with end slots 31, in which the ends of

the links move, a head 32, formed on the end of each link, playing in the depression 30 and preventing the disengagement of the links from the plate 29.

- 5 Wood being a much poorer conductor of heat than leather and the sandal being made of wood, the sole and heel of the shoe will be kept thereby from contact with the ground and the foot effectually protected from cold
10 or from moisture should the ground be wet.

I claim as my invention—

1. In a sandal designed to be secured to the bottom of a boot or shoe, in combination, a sole and a heel portion of wood connected by
15 an instep portion, the sole portion comprising a plurality of articulated sections, a wire passing through the sections and secured at

its ends to the sole-sections adjacent to the instep portion, a toe-cap, and a clamp for securing the sandal in place.

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2. In a sandal, in combination, a sole and a heel portion of wood and connected by an instep portion, the sole portion comprising a plurality of sections one end of each section having a curved transverse groove which re-
25 ceives the rounded end of the adjacent section, a wire passing through the sections and connecting them to the instep portion, and a clamp for securing the sandal to a shoe.

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Witnesses:

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